

**Rebuild Hawaii Consortium Meeting
November 14, 2002**

*You can find copies of these minutes and presentations on the Internet at
<http://www.hawaii.gov/dbedt/ert/rebuild/news.html>.*

Attendees:

Carter & Burgess—Michael Krijnen; **C.H. Guernsey & Co.**— Scott Bly; **Chaney, Brooks & Company, Inc.**—Bill Ramsey, Roy Toguchi, Dave Jurbala; **City & County of Honolulu**—Allyn Lee; **County of Hawaii**— Raymond Carr; **Department of Accounting & General Services**—Richard Yasunaga; **Department of Business, Economic Development & Tourism (DBEDT)** – Liz Raman, Howard Wiig, Andrea Gill; **Department of Education, Facilities**—Nick Nichols; **Eco-Lite**— Tom Brennan; **Global Energy Partners, LLC**—Bettina Foster; **Hawaiian Electric Company, Inc. (HECO)** – Jim Maskrey, Sam Nichols, Tom Van Liew; **Hawaii Electric Light Company, Inc. (HELCO)** – Debra Gomez Ota, Pat Moore; **Hickam Air Force Base**—John Camara; **Honolulu City Council**—Steve Holmes; **Housing & Community Development Corporation of Hawaii**—Wayne Nakamura; **HSI Mechanical**—Bill Short; **Magnaray International**—Larry Leetzow; **Navy PWC Pearl**—Nate Eisenpress; **Navy Region Hawaii, Pearl Harbor**—Gary Shimabukuro; **Pacific Division Naval Facilities Engineering**—Eric Kawamoto; **Pacific Energy**—Steve Olsen; **Queens Medical**—Ron Tolleson; **Scheibert Energy Company**—Todd Scheibert; **Strategic Energy Innovations**— Jennifer Tosaki; **The Gas Company**—Charlie Senning, Steve Golden, Lynn Ebisui; **U.S. Army**—Kent Anderson; **U.S. Coast Guard**—Glen Yanagi; **U.S. Department of Energy Pacific Liaison**— Eileen Yoshinaka; **U.S. Department of Housing & Urban Development**—Ramona Mullahey.

Welcome and Introductions

Consortium President, **Steve Holmes**, won Rebuild America's *Partnership Leader of the Year* award. He was honored with the award at the 2002 Rebuild America National Forum.

Steve Golden shared what he experienced at the Rebuild America National Forum. One of the most valuable things was networking with people from other partnerships in other states. Steve felt that Rebuild Hawaii is further ahead than other partnerships. At the meeting there was a lot of emphasis on community team building and understanding roles—things that the Hawaii consortium is already doing well.

Steve Holmes was offered a new job by the City Administration to become the City's new Energy Coordinator. They will have a new Rebuild Honolulu Program Office under the Department of Environmental Services.

New Rebuild Hawaii Business Affiliates

Holmes announces new Rebuild Hawaii Business Affiliates **Chaney, Brooks & Company, Inc.** and **Illuminating Engineering Society of North America.**

Chaney, Brooks & Company, Inc. is a real estate services company. They will be the property manager for the privatization of military housing. Starting in February 2003, they will take over about 1800 rental units in the Barbers Point area. Most of the units will be rebuilt or renovated which will provide an opportunity to build in energy conservation measures in the units. Over the next 6 to 7 years the military will privatize approximately 24,000 units statewide. It is estimated that 75% of those will be either renovated or torn down and built new.

Illuminating Engineering Society of North America, Hawaii Chapter

IES is a professional lighting design society and Howard Wiig is the President of the Hawaii Chapter. His emphasis is on good design and lighting efficiencies.

Applications for becoming a Rebuild Hawaii Business Affiliate are available from either Elizabeth Raman at eraman@dbedt.hawaii.gov or Jennifer Tosaki at jenwebb@hawaii.rr.com.

Jennifer Tosaki asked for members to send her topics or comments for the **Rebuild Hawaii Newsletter**. Contact Jennifer at jenwebb@hawaii.rr.com or phone 739-2217.

New Activity Reports by Consortium Members

City & County of Honolulu: Allyn Lee

The project for energy efficient upgrades at City Hall is about ninety percent complete. Allyn showed the group charts of the demand load profile at City Hall. They installed 2 new chillers and lighting retrofits. The peak demand was reduced from an approximate high of 700 kilowatts to 420 kilowatts. They are working with HECO and Johnson Controls to bring online a new 220 kilowatt cogen unit for testing purposes. A new transformer needs to be installed for the facility—this is outside of the energy efficiency project.

County of Hawaii: Ray Carr

The county is looking to retrofit lighting on many smaller facilities—now that the larger projects are completed. Two months ago they issued a RFP for solar electric system at the community aquatic center in Kona and are currently reviewing proposals for that. Hopefully, it will be at no cost to county and will provide electricity over at least a 10 year period. They will try to select contractor this year and have construction start next year. Funding for this is coming from third party financing.

Department of Business, Economic Development & Tourism (DBEDT): Elizabeth Raman

The Rebuild Hawaii Consortium Project Matrix is tracking the progress of projects the consortium listed during our January 2002 meeting. To get a copy contact Elizabeth Raman at eraman@dbedt.hawaii.gov or call 587-3806. We are currently planning another project planning session for January 2003 so members should start to think about the types of projects they would like to see the consortium working on.

Department of Education: Nick Nichols

Nick works in the Facilities and Support Services Branch which is in process of improving and revising specs for building new schools. They are looking to add details on high performance schools and sustainable schools. In October there was a meeting sponsored by HECO, DBEDT, and the Department of Energy for people from Department of Accounting & General Services Central Services and Public Works Division. Experts were invited to speak about how to design high performance schools.

The Gas Company: Steve Golden

Citizens Energy Services sold Kauai Electric and is now selling The Gas Company. Kauai Electric's new name is Kauai Island Utility Cooperative. The Gas Company's Combined Heat and Power workshops are scheduled for early December on the Neighbor Islands. The workshops are jointly sponsored by the respective counties, The Gas Company, DBEDT, Rebuild America and the Rebuild Hawaii Consortium. There will be a registration fee.

- Big Island: *Combined Heat and Power - The Big Island's Emerging Energy Efficiency Resource* on Tuesday, December 3, 2002 from 9AM to 4PM at the Orchid at Mauna Lani. Contact Ray Carr 808.961.8497 or Charlie Senning 808-594-5517.
- Kauai: *Combined Heat and Power: Kauai's Untapped Energy Efficiency Resource* on Wednesday, December 4, 2002 from 9AM to 3:30PM at the Radisson Kauai Beach Resort. Contact Glenn Sato 808-241-6393 or Charlie Senning 808-594-5517.
- Maui: *Combined Heat and Power: Maui's Untapped Energy Efficiency Resource* on Friday, December 6, 2002 from 9AM to 3PM at the Grand Wailea. Contact Kal Kobayashi (808) 270-7832 or Charlie Senning 808-594-5517.

Hawaiian Electric Company (HECO): Sam Nichols

HECO's Energy Exposition held in October was very successful. A lot of energy efficiency information was disseminated. Energy Smart Schools is in its sixth week at McKinley and Radford. Jennifer Tosaki is working with the teachers and instructing the classes. The students recently went on a field trip to Kahe Power Plant. HECO's Corporate Communications will be visiting schools this month to film the students conducting their energy audits. HECO's Energy Solutions for Small Business program is expanding to include larger businesses (300-1500 fixtures). Contact Sam Nichols if you

know of a business that needs to retrofit from T12 to T8 fluorescent lighting. Contact Sam at snichols@hei.com or phone 543-4753.

Hawaii Electric Light Company (HELCO): Pat Moore

Recently HELCO and the Hawaii Million Solar Roofs Initiative Partnership received a \$50,000 grant to do some more projects. This coming May Keith Rutledge who is an expert at financing renewable energy projects will be visiting the Big Island and Honolulu. He will lead workshops for business advisors, managers, tax accountants, and all those who influence businesses owners in energy efficiency. The workshops will show those people who are the ones making recommendations to the owners that solar can be profitable for business. They are developing a workbook for this workshop. If you are interested or know of any business advisors who would like to participate in the workshop you can contact keith@redinet.org. For more information visit www.hawaiiislandsolar.org. HELCO is bringing back Bill Brooks a noted expert on PV and code. They will hold a three-day workshop—a \$380 dollar value. Bill puts on these workshops with the California Energy Commission. They are directed at those that have some background in electricity. If you have any future solar/PV projects going in and you want know how to best install those things then you should attend this workshop. It is preferable to attend all three days and at the end of the workshop they hope to hold a 45-minute test and a certificate.

Housing & Community Development Corporation of Hawaii: Wayne Nakamura
Hope VI is going again. All HCDCH renovation projects include solar water heating.

U.S. Department of Energy (DOE): Eileen Yoshinaka

The Rebuild America Seattle Region Peer Exchange meeting has been moved from January 2003 to March 2003.

Department of Housing and Urban Development: Ramona Mullahey

HUD impacts 5 million people through its programs. Four billion dollars is expended for energy and water. They want to provide training to staff in regards to available energy and resource efficiency programs (i.e. Rebuild America, Energy Star). They also want to disseminate information from these types of programs to property owners and public housing authorities.

Eco-Lite: Tom Brennan

Chaney, Brooks & Company, Inc. is sponsoring an energy conservation workshop for its employees in the Energy & Environmental Controls Division. The workshop will feature guest speakers from HECO, DBEDT, Department of Health, and Eco-Lite.

Air Force: John Camara

Currently installing solar attic fans, HVAC controls, and radiant barriers on existing family housing units.

Army: Kent Anderson

Continuing to work with HECO through the BOA and the Navy—looking into air-conditioning renovations. The Army is also looking into some small scale PV projects on bus stops and working on a Cogen project in a building at Fort Shafter. The Army was recognized by FEMP for their Alternative Financing project.

Navy: Nate Eisenpress

Nate is happy to report they received FEMP Energy Audit money to do some audits.

Navy Region Hawaii: Kevin Saito

Since October was Energy Awareness month they held an Energy Week. They put together a great Navy and Marine Corp team. They had six different events over six days. Events included energy displays, people riding stationary exercise bikes to generate power, and visiting the new Navy Exchange. The exchange is the world's largest and will probably be using over a million dollars in electricity. It was a good location to talk about energy conservation. They also had some demonstrations, including PV powered fans and a fuel cell. ESPC MOA was signed by Navy Region Hawaii. They have a mandate to reduce energy consumption by 10% over last year. They will work on increasing energy awareness until they get projects from the ESPC in place. Navy Region Hawaii recently hired two Resource Efficiency Managers. The Energy Managers Roadshow is coming to Hawaii January 13-17, 2003. Seats are being held for the Navy Region but there should be seats available to other DOD areas.

Pearl Harbor Shipyard: Gary Shimabukuro

They are almost complete with the chillerplant (1800 ton) at shipyard. HECO is helping to tweak the system. They are also working to increase awareness to increase energy savings. Gary expresses that there needs to be a move to try and educate managers on energy savings.

Presentations

Na Makani Solar Water Heating Project

Andrea Gill, DBEDT

Andrea gave an overview of results from the low-cost solar water heater project on the Big Island.

View presentation at: <http://www.state.hi.us/dbedt/ert/solar-gill.html>.

Energy Savings Projects at Queen's Medical Center

Ron Tolleson, Facilities and Building Services, Queens Medical Center

Ron presented on energy efficient projects at Queens Medical Center.

View presentation at: <http://www.hawaii.gov/dbedt/ert/rebuild/news.html>.

How Does White Light Affect Your Bottom Line?

Larry Leetzow, President, Magnaray International

View presentation at: <http://www.hawaii.gov/dbedt/ert/rebuild/news.html>.

New Products

Howard Wiig showed the group a section of panel called Heat Retarding Insulated Panels for low-rise residential and commercial use (up to 2 stories). The panels are supplied by Pacific Allied Products, Ltd. They come in 8 x 24 foot sections and are 5 1/2 inches thick. Tests show that when the outside temperature was 185 degrees the inside of the panel was only at 75 degrees. They also provide good sound insulation. The Department of Education has built some classrooms with the panels.

Topics For Our Next Meeting

Steve Holmes asks members for ideas on meeting topics. Members suggest:

- Experts on installing window films
- Lighting fixtures inside units and parking lots
- National activities—legislation that has an impact here.

Upcoming Workshops and Events

Next meeting tentatively planned for January 29th or 30th, 2003.

Jennifer Webb prepared these minutes.